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DEPARTMENT OF THE ARMY

ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER

PICATINNY ARSENAL, NEW JERSEY 07806-5000

30 JUN 1993



REPLY TO ATTENTION OF

SMCAR-AEP (1mm)

MEMORANDUM FOR Commander, Defense Technical Information Center, Building 5, Cameron Station, Alexandria VA 22304-6145

SUBJECT: Release of Performance Oriented Compliance Report

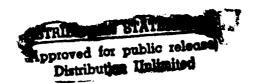
1. The enclosed report (DODPOPHMTR/AYD 93-011) entitled: "Performance Oriented Packaging Testing of Wirebound Box for Pressure Cartridge Packed in a M2Al Metal Container" is hereby submitted to the Defense Technical Information Center for formal release. Please send notification of formal release to:

U.S. Army Armament Research, Development and Engineering Center, Picatinny Arsenal, NJ 07806-5000

2. The point of contact for this report is Mr. Roy Garner, (201) 724-2220 or DSN 880-2220.

Encl as ROBERT J. KUPER Chief, Packaging Division

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SECURITY CLASSIFICATION OF THIS PAGE

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1. DATA SHEET

Container:

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Type: Box, Wirebound Part No.: 7553347

UN Code: 4C1

Spec No.: PPP-B-585

Material: Wood

Capacity: 19.1 liters

Packing and Marking Drawing: 12902744

Dimensions:

Inside: 31.52 cm x 30.96 cm x 19.53 cm

 $(12 \ 3/16 \ in \ x \ 12 \ 1/16 \ in \ x \ 7 \ 9/16 + 1/8 \ in)$

Outside: $36.67 \text{ cm} \times 31.83 \text{ cm} \times 20.64 \text{ cm}$

(14 7/16 in x 12 17/32 in x 8 1/8 in)

Weight: 2.5 kg (5.5 lbs)

Container (Inner):

Type: Box

Model No.: M2A1

Spec No.: Mil-B-3060

Material: Metal

Capacity: 6.8 liters

Packing and Marking Drawing: 12902743

Dimensions:

Inside: 27.94 cm x 14.13 cm x 17.22 cm

(11 in x 5 9/16 in x 6 25/32 in)

Outside: $30.56 \text{ cm } \times 15.48 \text{ cm } \times 19.05 \text{ cm}$

 $(12 \ 1/32 \ in \ x \ 6 \ 3/32 \ in \ x \ 7 \ 1/2 \ in)$

Weight: 2.5 kg (5.5 lbs)

Closure (Method/Type): Hinged lid

Product:

Name: Pressure Cartridge Assembly

Part Number: 9366511

Proper Shipping Name: Cartridges, Power Device

Identification Number: 0275

Physical State: Solid

Quantity per Container: 70

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2. CONCLUSION:

This packaging configuration was previously POP tested as reference in DODPOPHMTR/AYD 92-005, test report for Performance Oriented Packaging; two M2Al Metal inner containers packed in a wirebound box. In addition, the length, height, and width of both the wirebound box, and the M2Al Metal containers are identical. The weights tested as stated in this report range from 15 kg to 47 kg. The total weight of the wirebound box loaded for the pressure catridges is 21 kg. Therefore, since 21 kg is within the range for items previously tested, by analogy, IAW section 178.601 (page 309) of CFR title 49, this package is considered safe for domestic and international shipment.